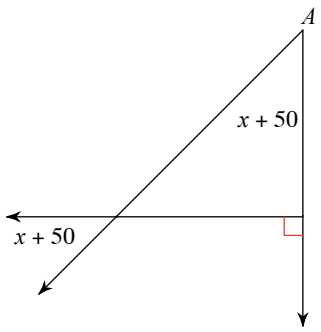
WLPCS Geometry Name_____

3.1-3.3 Quiz Review Homework Honors

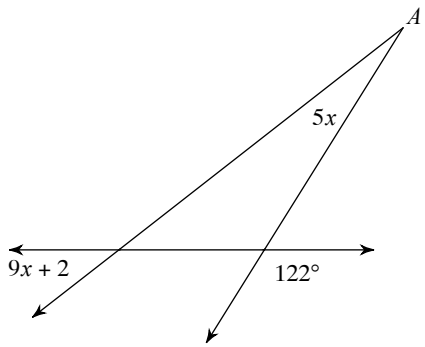
Date_____ Period____

Find the measure of angle A.

1)

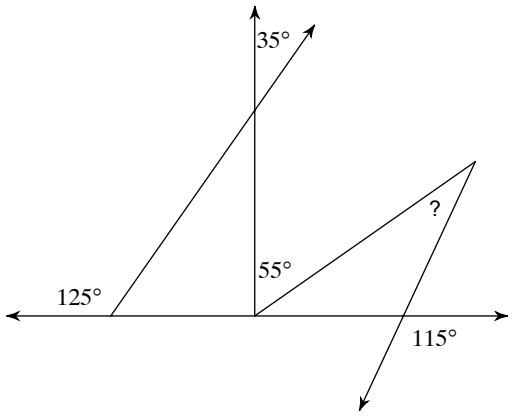


2)

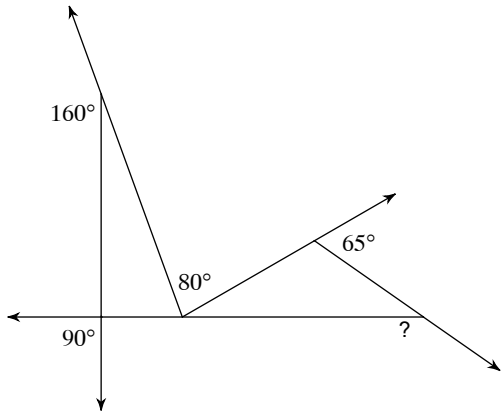


Find the measure of each angle indicated.

3)



4)



Order the angles in each triangle from smallest to largest.

5) In $\triangle XWV$

$WV = 7\frac{1}{4}$

$XV = 7\frac{1}{5}$

$XW = 8$

6) In $\triangle LMN$

$MN = 8$

$LN = 5\frac{3}{5}$

$LM = 5$

Order the sides of each triangle from shortest to longest.

7) In $\triangle KLM$

$m\angle K = 95°$

$m\angle L = 30°$

$m\angle M = 55°$

8) In $\triangle JKL$

$m\angle J = 31°$

$m\angle K = 109°$

$m\angle L = 40°$

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

9) 33, 29

10) 32, 29

State if the three numbers can be the measures of the sides of a triangle.

11) 43, 36, 80

12) 29, 36, 27

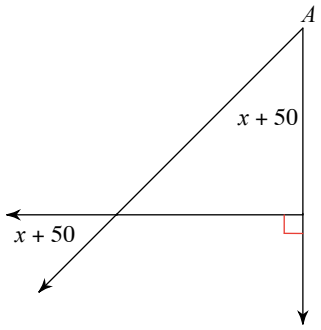
WLPCS Geometry Name_____

3.1-3.3 Quiz Review Homework Honors

Date_____ Period____

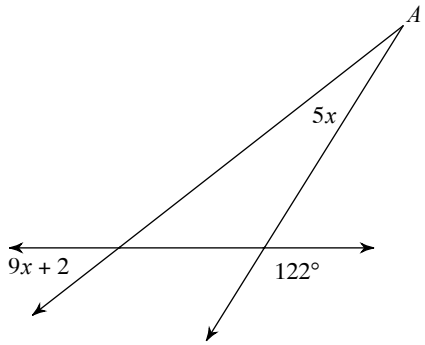
Find the measure of angle A.

1)



45°

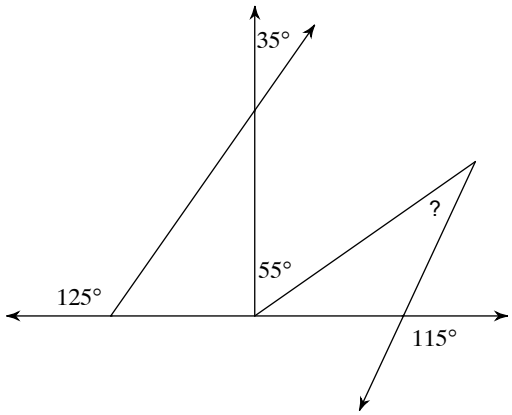
2)



20°

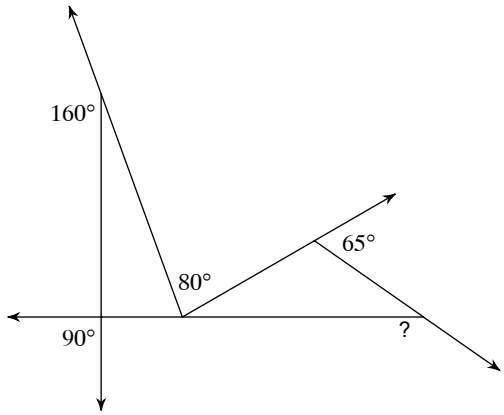
Find the measure of each angle indicated.

3)



30°

4)



145°

Order the angles in each triangle from smallest to largest.

5) In $\triangle XWV$

$WV = 7\frac{1}{4}$

$XV = 7\frac{1}{5}$

$XW = 8$

$\angle W, \angle X, \angle V$

6) In $\triangle LMN$

$MN = 8$

$LN = 5\frac{3}{5}$

$LM = 5$

$\angle N, \angle M, \angle L$

Order the sides of each triangle from shortest to longest.

7) In $\triangle KLM$

$m\angle K = 95°$

$m\angle L = 30°$

$m\angle M = 55°$

$\overline{KM}, \overline{KL}, \overline{LM}$

8) In $\triangle JKL$

$m\angle J = 31°$

$m\angle K = 109°$

$m\angle L = 40°$

$\overline{KL}, \overline{JK}, \overline{JL}$

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

9) 33, 29

$4 < x < 62$

10) 32, 29

$3 < x < 61$

State if the three numbers can be the measures of the sides of a triangle.

11) 43, 36, 80

No

12) 29, 36, 27

Yes